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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000H	APPLICATION NO. 10/058,292
	APPLICANT Hartley et al.	
	FILING DATE January 30, 2002	GROUP 1636

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
OP	AA1	4,673,640	06/16/1987	Backman, K.C.	435	98	04/30/1984
	AB1	4,743,546	05/10/1998	Backman et al.	435	108	02/13/1985
	AC1	4,959,317	09/25/1990	Sauer B.L.	435	172.3	04/29/1987
	AD1	5,227,288	07/13/1993	Blattner, F.R.	435	6	10/01/1990
	AE1	5,286,632	02/15/1994	Jones	435	91.2	01/09/1991
	AF1	5,354,668	10/11/1994	Auerbach, J.I.	435	91.1	10/15/1993
	AG1	5,434,066	07/18/1995	Bebbee, R.L., et al.	435	172.3	03/15/1994
	AH1	5,470,727	11/28/1995	Mascarenhas et al.	435	172.3	12/21/1993
	AI1	5,527,695	06/18/1996	Hodges et al.	435	172.3	01/29/1993
	AJ1	5,591,609	01/07/1997	Auerbach, J.I.	435	91.2	02/03/1995
OP	AK1	5,614,389	03/25/1997	Auerbach, J.I.	435	91.2	09/26/1995

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
OP	AL1	EP 0 160 571 A2	11/06/1985	Europe			Yes No
	AM1	EP 0 300 422	01/25/1989	Europe			Yes No
	AN1	WO 91/02801	03/07/1991	WIPO			Yes No
	AO1	WO 91/16427	10/31/1991	WIPO			Yes No
OP	AP1	WO 92/20791	11/26/1992	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

OP	AR	1	Abremski, K., and Gottesman, S., "Purification of the Bacteriophage $\lambda$ xis Gene Product Required for $\lambda$ Excisive Recombination," J. Biol. Chem. 257(16):9658-9662, American Society for Biochemistry and Molecular Biology, Inc. (1982).
OP	AS	1	Abremski, K., and Hoess, R., "Bacteriophage P1 Site-specific Recombination - Purification and Properties of the Cre Recombinase Protein," J. Biol. Chem. 259:1509-1514, American Society for Biochemistry and Molecular Biology, Inc. (1984).
OP	AT	1	Abremski, K., et al., "Bacteriophage P1 Cre-loxP Site-specific Recombination. Site-specific DNA Topoisomerase Activity of the Cre Recombination Protein," J. Biol. Chem. 261(1):391-396, American Society for Biochemistry and Molecular Biology, Inc. (1986).

EXAMINER William S. [Signature]	DATE CONSIDERED 7/14/02
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>Ch</i>	AA2	5,635,381	06/03/1997	Hooykaas et al.	435	172.3	01/20/1995
	AB2	5,650,308	07/22/1997	Baum	435	172.3	06/07/1995
	AC2	5,658,772	08/19/1997	Odell et al.	435	172.3	07/27/1994
	AD2	5,677,170	10/14/1997	Devine et al.	435	20.1	03/02/1994
	AE2	5,677,177	10/14/1997	Wahl et al.	435	325	06/07/1995
	AF2	5,710,248	01/20/1998	Grose, C.F.	530	327	07/29/1996
	AG2	5,723,765	03/03/1998	Oliver et al.	800	208	06/07/1995
	AH2	5,733,733	03/31/1998	Auerbach, J.I.	435	6	02/01/1996
	AI2	5,733,743	03/31/1998	Johnson et al.	435	320.1	06/10/1996
	AJ2	5,744,336	04/28/1998	Hodges et al.	435	172.3	03/08/1996
<i>Ch</i>	AK2	5,766,891	06/16/1998	Shuman, S.	435	91.41	12/19/1994

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
<i>Ch</i>	AL2	WO 93/15191	08/05/1993	WIPO			Yes No
	AM2	WO 93/19172	09/30/1993	WIPO			Yes No
	AN2	CA 2,141,412	02/17/1994	Canada			Yes No
	AO2	WO 94/09127	04/28/1994	WIPO			Yes No
<i>Ch</i>	AP2	WO 94/17176	08/04/1994	WIPO			Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

<i>Ch</i>	AR	2	Abremski, K., et al., "Studies on the Properties of P1 Site-Specific Recombination: Evidence for Topologically Unlinked Products Following Recombination," Cell 32:1301-1311, Cell Press (1993).
<i>Ch</i>	AS	2	Adams, D.E., et al., "Cre-lox Recombination in Escherichia coli Cells: Mechanistic Differences from the in Vitro Reaction," J. Mol. Biol. 226:661-673, Academic Press, Inc. (1992).
<i>Ch</i>	AT	2	Albert, H., et al., "Site-specific integration of DNA into wild-type and mutant lox sites placed in the plant genome," Plant J. 7:649-659 Oxford Bios Scientific Publishers And Blackwell Scientific Publications In Association With The Society For Experimental Biology (April 1995).

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*William S. S. S.*

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*7/14/02*

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
<i>JD</i>	AA3	5,776,449	07/07/1998	Baum et al.	424	93.2	09/20/1996
	AB3	5,830,707	11/03/1998	Bushman, F.D.	435	69.7	06/05/1995
	AC3	5,837,242	11/17/1998	Holliger et al.	424	136.1	05/14/1996
	AD3	5,843,772	12/01/1998	Devine, S.E., et al.	435	69.1	11/18/1994
	AE3	5,851,808	12/22/1998	Elledge et al.	435	172.3	02/28/1997
	AF3	5,858,657	01/12/1999	Winter et al.	435	6	06/07/1995
	AG3	5,871,907	02/16/1999	Winter et al.	435	6	03/31/1994
	AH3	5,874,259	02/23/1999	Szybalski, W.	435	91.1	11/21/1997
	AI3	5,888,732	03/30/1999	Hartley et al.	435	6	06/07/1996
	AJ3	5,916,804	06/29/1999	Bushman, F.D.	435	325	04/17/1998
<i>JD</i>	AK3	5,919,676	07/06/1999	Graham et al.	435	172.3	06/07/1995

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
<i>JD</i>	AL3	WO 95/00555	01/05/1995	WIPO			Yes No
	AM3	WO 97/06265	02/20/1997	WIPO			Yes No
	AN3	WO 97/09436	03/13/1997	WIPO			Yes No
	AO3	WO 97/25446	07/17/1997	WIPO			Yes No
<i>JD</i>	AP3	WO 97/32481	09/12/1997	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

<i>JD</i>	AR	3	Andrews, B.J., et al., "The FLP Recombinase of the 2 $\mu$ Circle DNA of Yeast: Interaction with Its Target Sequences," Cell 40:795-803, Cell Press, Cambridge, MA (1985).
<i>JD</i>	AS	3	Andrews, B.J., et al., "Interaction of the FLP Recombinase of the Saccharomyces cerevisiae 2 $\mu$ m Plasmid with Mutated Target Sequences," Mol. Cell. Biol. 6:2482-2489, American Society for Microbiology, Washington, D.C. (1986).
<i>JD</i>	AT	3	Anton, M., and Graham, F.L., "Site-Specific Recombination Mediated by an Adenovirus Vector Expressing the Cre Recombinase Protein: a Molecular Switch for Control of Gene Expression," J. Virol. 69:4600-4606, American Society for Microbiology, Washington, D.C. (August 1995).

EXAMINER <i>William J. ...</i>	DATE CONSIDERED 7/17/02
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB-CLASS	FILING DATE
	AA4	5,928,914	07/27/1999	Leboulch et al.	435	172.3	11/05/1996
	AB4	5,989,872	11/22/1999	Luo et al.	435	91.2	08/12/1997
	AC4	6,010,884	01/04/2000	Griffiths et al.	435	69.7	05/29/1996
	AD4	6,040,430	03/21/2000	Stewart	530	358	12/26/1995
	AE4	6,063,627	06/16/2000	McVey et al.	435	440	02/25/1998
	AF4	6,143,557 B1	11/07/2000	Hartley et al.	435	320.1	01/20/1999
	AG4	6,171,861 B1	01/09/2001	Hartley et al.	435	455	01/12/1998
	AH4	6,225,121 B1	05/01/2001	Savakis et al.	435	455	04/27/1998
	AI4	6,270,969 B1	08/07/2001	Hartley et al.	435	6	01/20/1999
	AJ4	6,277,608 B1	08/21/2001	Hartley et al.	435	91.4	04/22/1999
	AK4	2002/0007051 A1	01/17/2002	Chee et al.	536	23.1	12/11/2000

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL4	WO 98/10086	03/12/1998	WIPO			Yes No
	AM4	WO 98/53056	11/26/1998	WIPO			Yes X No
	AN4	WO 99/10488	03/04/1999	WIPO			Yes No
	AO4	WO 99/21977	05/06/1999	WIPO			Yes No
	AP4	WO 99/25851	05/27/1999	WIPO			Yes X No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	4	Araki, H., et al., "Site-specific Recombinase, R, Encoded by Yeast Plasmid pSR1," J. Mol. Biol. 225:25-37, Academic Press, Inc., New York, NY (1992).
	AS	4	Argos, P., et al., "The integrase family of site-specific recombinases: regional similarities and global diversity," EMBO J. 5(2):433-440, IRL Press Limited, Oxford (1986).
	AT	4	Astumian, J.H. et al., "Site-specific recombination between cloned attP and attB sites from the Haemophilus influenza bacteriophage HP1 propagated in recombination deficient Escherichia coli," J. Bacteriol. 171:1747-1750, American Society for Microbiology (1989).

EXAMINER Catharine Smith	DATE CONSIDERED 9/14/02
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL5	WO 00/12687	03/09/2000	WIPO	1	1	Yes No
	AM5	EP 1 035 208	09/13/2000	Europe	1	1	Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	5	Atlung, T., et al., "A versatile method for integration of genes and gene fusions into the $\lambda$ attachment site of <i>Escherichia coli</i> ," <i>Gene</i> 107:11-17, Elsevier (1991).
	AS	5	Ausubel, F.M., et al., "Maps of Plasmids pBR322 and pUC19," in <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc. (April 1994).
	AT	5	Ausubel, F.M., et al., "Mutagenesis by the Polymerase Chain reaction," in: <i>Current Protocols in Molecular Biology</i> , John Wiley & Sons, Inc. pp. 8.5.1-8.5.9 (1991).

EXAMINER <i>William S. ...</i>	DATE CONSIDERED 7/19/02
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>6</u>	Babineau, D. et al., "The FLP Protein of the 2-micron Plasmid of Yeast," J. Biol. Chem. 260:12313-12391, American Society for Biochemistry and Molecular Biology, Inc. (1985).
	AS	<u>6</u>	Balakrishnan, R., et al., "A gene cassette for adapting <i>Escherichia coli</i> strains as hosts for att-Int-mediated rearrangement and $p_L$ expression vectors," Gene 138:101-104, Elsevier (January 1994).
	AT	<u>6</u>	Bayley, C.C., et al., "Exchange of gene activity in transgenic plants catalyzed by the Cre-lox site specific recombination system," Plant Mol. Biol. 18:353-361, Dordrecht Kluwer Academic (1992).
EXAMINER <i>William S. Saito</i>			
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB-CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
B	AR	2	Bernard, P., and Couturier, M., "Cell Killing by the F plasmid CcdB Protein Involves Poisoning of DNA-topoisomerase II Complexes," J. Mol. Biol. 226:735-745, Academic Press, Inc. (1992).
B	AS	2	Bernard, P., et al., "Positive Selection vectors using the F plasmid ccdB killer gene," Gene 148:71-74, Elsevier Science Publishers B.V. (October 1994).
B	AT	2	Bethke, B., and Sauer, B., "Segmental genomic replacement by Cre-mediated recombination: genotoxic stress activation of the p53 promoter in single-copy transformants," Nucl. Acids Res. 25:2828-2834, Oxford University Press (July 1997).

EXAMINER  <i>William S. Smith</i>	DATE CONSIDERED 7/14/02
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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	AR	8	Betz, U.A.K., et al., "Bypass of lethality with mosaic mice generated by Cre-loxP-mediated recombination," Curr. Biol. 6:1307-1316, Current Biology Ltd. (October 1996).
	AS	8	Bhandari, P. and Gowrishankar, J., "An Escherichia coli Host Strain Useful for Efficient Overproduction of Cloned Gene Products with NaCl as the Inducer," J. Bacteriol. 179:4403-4406, American Society for Microbiology (July 1997).
	AT	8	Black, L.W., "In vitro packaging into phage T4 particles and specific recircularization of phage lambda DNAs," Gene 46:97-101, Elsevier (1986).

EXAMINER <i>William S. Adams</i>	DATE CONSIDERED <i>7/19/02</i>
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	AL						Yes No
	AM						Yes No
	AN						Yes No
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	AP						Yes No

OTHER (Including Author, Title, Date, Pertinent Pages, etc.)			
	AR	2	Bloch, C.A., et al., "Purification of Escherichia coli Chromosomal Segments without Cloning," Biochem. Biophys. Res. Comm. 223:104-111, Academic Press, Inc. (June 1996).
	AS	2	Bochner, B. R., et al., "Positive Selection for Loss of Tetracycline Resistance," J. Bacteriol. 143:926-933, American Society for Microbiology (1980).
	AT	2	Boyd, A. C., "Turbo cloning: a fast, efficient method for cloning PCR products and other blunt-ended DNA fragments into plasmids," Nucl. Acids Res. 21(4):817-821, Oxford University Press (1993).

EXAMINER <i>William S. Smith</i>	DATE CONSIDERED <i>7/19/02</i>
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

**OTHER (Including Author, Title, Date, Pertinent Pages, etc.)**

	AR	<u>10</u>	Broach, J. R., et al., "Recombination within the Yeast Plasmid 2 $\mu$ Circle is Site-Specific," Cell 29:227-234, Cell Press (1982).
	AS	<u>10</u>	Brunelli, J. P. and Pall, M. L., "A Series of Yeast/ <i>Escherichia coli</i> $\lambda$ Expression Vectors Designed for Directional Cloning of cDNAs and cre/lox-Mediated Plasmid Excision," Yeast 9:1309-1318, John Wiley (1993).
	AT	<u>10</u>	Brunelli, J.P., and Pall, M.L., "Lambda/Plasmid Vector Construction by In Vivo cre/lox-Mediated Recombination," BioTechniques 16(6):1061-1064, Eaton Publishing Company (June 1994).

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*William S. Smith*

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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	AR	<u>11</u>	Bubeck, P., et al., "Rapid cloning by homologous recombination in vivo," Nucl. Acids Res. 21:3601-3602, Oxford University Press (1993).
	AS	<u>11</u>	Buchholz, F., et al., "A simple assay to determine the functionality of Cre or FLP recombination targets in genomic manipulation constructs," Nucl. Acids Res. 24(15):3118-3119, Oxford University Press (August 1996).
	AT	<u>11</u>	Buchholz, F., et al., "Different thermostabilities of FLP and Cre recombinases: implications for applied site-specific recombination," Nucl. Acids Res. 24(21):4256-4262, Oxford University Press (November 1996).

EXAMINER

William G. Smith

DATE CONSIDERED

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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

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	AR	<u>12</u>	Bushman, W., et al., "Control of Directionality in Lambda Site Specific Recombination," Science 230:906-911, Association for the Advancement of Science (1985).
	AS	<u>12</u>	Campbell, A. M., "Chromosomal Insertion Sites for Phages and Plasmids," J. Bacteriol. 174(23):7495-7499, American Society for Microbiology (1992).
	AT	<u>12</u>	Chapin, S.J., et al., "Differential expression of alternatively spliced forms of MAP4: a repertoire of structurally different microtubule-binding domains," Biochem. 34:2289-2301, American Chemical Society, Washington D.C. (February 1995).

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*William J. P. 10*

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	AL						Yes No
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	AP						Yes No

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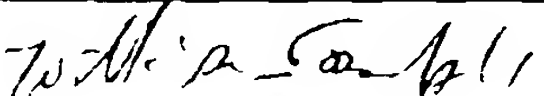
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	AL						Yes No
	AM						Yes No
	AN						Yes No
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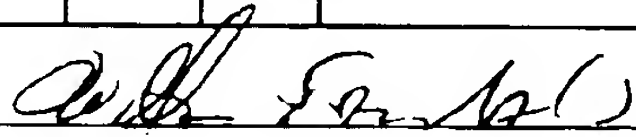
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	AM						Yes No
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	AM						Yes No
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*2/14/02*




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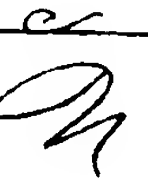
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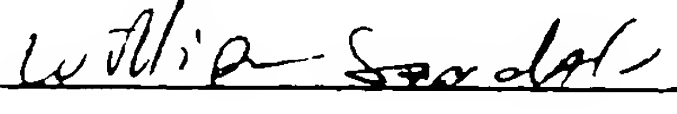
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INFORMATION DISCLOSURE STATEMENT  
 APPLICATION NO. 10/058,292

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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000H	APPLICATION NO. 10/058,292
	APPLICANT Hartley et al.	
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

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	AR	<u>46</u>	Pierce, J. C., et al., "A positive selection vector for cloning high molecular weight DNA by the bacteriophage P1 system: Improved cloning efficacy," Proc. Natl. Acad. Sci. USA 89:2056-2060, National Academy of Sciences of the USA (1992).
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COMMUNICATIONS SECTION

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	AL						Yes No
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*Ch. Y. P. Sm. H. S.*

DATE CONSIDERED

*7/14/02*

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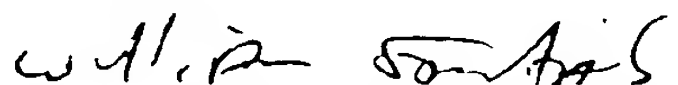
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FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000H	APPLICATION NO. 10/058,292
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	AM						Yes No
	AN						Yes No
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	AL						Yes No
	AM						Yes No
	AN						Yes No
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with the line through citation if not in conformance and communication to Applicant.

FORM PTO-1449 INFORMATION DISCLOSURE STATEMENT	ATTY. DOCKET NO. 0942.285000H	APPLICATION NO. 10/058,292
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	AM						Yes No
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FORM PTO-1449 <u>INFORMATION DISCLOSURE STATEMENT</u>	ATTY. DOCKET NO. 0942.285000H	APPLICATION NO. 10/058,292
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EXAMINER	<i>William So 4/1</i>	DATE CONSIDERED	<i>2/14/01</i>
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COMMUNICATIONS APPLICATION

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DATE CONSIDERED

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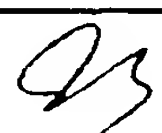
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EXAMINER  Lisa A. Santals	DATE CONSIDERED 7/14/02
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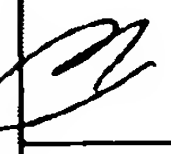


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	AM						Yes No
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	APPLICANT Hartley et al.	
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EXAMINER <i>William S. M. (M)</i>	DATE CONSIDERED <i>9/14/02</i>
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*(William S. ...)*




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<table border="1"> <tr> <td>EXAMINER</td> <td>William S. L. S.</td> <td>DATE CONSIDERED</td> <td>7/14/02</td> </tr> </table>				EXAMINER	William S. L. S.	DATE CONSIDERED	7/14/02
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1. The present invention relates to a method of
 identifying a protein or polypeptide sequence
 that is associated with a specific function or
 activity.

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EXAMINER	<i>W.H. Smith</i>	DATE CONSIDERED	<i>2/14/02</i>
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EXAMINER <i>William S. G. H.</i>	DATE CONSIDERED <i>2/14/02</i>
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EXAMINER

William Smith

DATE CONSIDERED

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Initial of Examiner



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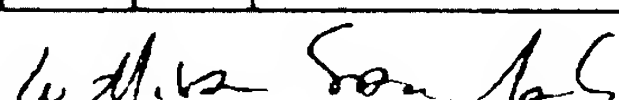
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